

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 63143	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. PCT/EP2004/051400	International filing date (day/month/year) 07/07/2004	(Earliest) Priority Date (day/month/year) 17/07/2003
Applicant THALES PLC		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2a

☐ as suggested by the applicant.

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

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International application No.

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Box No. IV Text of the abstract (Continuation of Item 5 of the first sheet)

The present invention may provide a two-part electrical connector having a first part being a tongue portion (40) having a base (42) and a tongue (46) extending longitudinally therefrom; a second part being a socket portion having a base and walls extending therefrom defining a socket for slidably receiving the tongue (40), the tongue portion and socket portion having locking means (56) to permit releasable mutual engagement, said locking means including a locking member moveable between a first position in which the tongue (40) is held in the socket and a second position in which the tongue is removable from the socket; a primary coupling element (48) located in the tongue (40); and a secondary coupling element located in at least one of the socket walls, which elements provide a contact-less electromagnetic coupling when the tongue is engaged in the socket.

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International Application No
PCT/EP2004/051400

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01F38/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01F H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 303 902 A (LESSTER LABAN E ET AL) 1 December 1981 (1981-12-01) abstract column 3, line 39 - column 6, line 39; figures 4-8	1-3, 11, 17-22
X	US 6 476 520 B1 (LANG RAINER ET AL) 5 November 2002 (2002-11-05) abstract column 5, lines 1-48 column 6, line 66 - column 7, line 58 column 9, lines 41-59; figures 1,3	1-3, 17-20
X	US 4 144 485 A (AKITA SIGEYUKI) 13 March 1979 (1979-03-13) abstract column 1, line 64 - column 2, line 36 column 3, lines 1-13; figures 1-4,7	1-3
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

19 October 2004

Date of mailing of the international search report

27/10/2004

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/051400

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 394 714 A (TEXAS INSTRUMENTS DEUTSCHLAND) 31 October 1990 (1990-10-31) abstract	1-3, 17-19
Y	column 5, line 14 - column 6, line 15; figures 1-3	9-11, 13-15
Y	----- US 4 876 535 A (BALLMER HORST ET AL) 24 October 1989 (1989-10-24) abstract column 1, lines 20-40 column 2, line 35 - column 3, line 11 column 4, line 13 - column 5, line 15; figures 1,5,6	9,10
Y	----- US 6 319 031 B1 (GREENSTEIN ALAN) 20 November 2001 (2001-11-20) abstract column 5, line 62 - column 6, line 11; figures 1,3	11
Y	----- EP 1 077 511 A (SUMITOMO WIRING SYSTEMS) 21 February 2001 (2001-02-21) abstract; figures 1-9	13-15
A	----- DE 196 21 003 A (VOGT ELECTRONIC AG) 27 November 1997 (1997-11-27) abstract column 1, lines 32-58 column 4, line 42 - column 5, line 17; figures 11,12	7,8
A	----- PEDDER D A G ET AL: "A CONTACTLESS ELECTRICAL ENERGY TRANSMISSION SYSTEM" IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, IEEE INC. NEW YORK, US, vol. 46, no. 1, February 1999 (1999-02), pages 23-30, XP000831926 ISSN: 0278-0046 abstract page 27, left-hand column, paragraph 2 - page 30, left-hand column, paragraph 1	1,20-22
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Information on patent family members

International Application No

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Information on patent family members

International Application No

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